EOCR-DM2 Series

Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

EOCR-3DM2 Window type

EOCR-3DM2 Bottom hole type

EOCR-FDM2 Window type

EOCR-FDM2 Bottom hole type

EOCR-3DM2 Terminal type

EOCR-FDM2 Terminal type

General features

- Micro-controller unit based
- Real time processing / High precision
- Protections : Over current, Under current, Phase loss, Phase reversal, Stall, Jam, Current Imbalance, Earth fault **(3MZ2/FMZ2)**
- Inverse available up to 32Amps without external CTs.
- Ancillary functions : Fail safe, Pre-alarm **(3DM2/FDM2)**, Accumulated running hour, 3 faults records & limitation of auto-restart.
- Reinforced monitoring function : Monitoring distance up to 400M, 3 phase current display, Pre-alarm **(3DM2/FDM2)** & Trip cause indication
- Bar graph indication of a load current to the current setting.
- Available application on single and 3 phase motor
- RoHS Compliance
- For **FDM2/FMZ2**, normal protections are guaranteed even if PDM is disconnected.

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Protection functions

Protection item	Condition & Setting range	Operation time
Over current (oc)	Condition : Load current (In) exceeds setting current (Is) Setting range : 0.5~60A (Def), 0.5~32A (Inv)	Definite (Def) : 0.2~30s adjust. Inverse (Inv) : 1~30 class
Under current (uc)	Condition : Load current (In) less than setting currentIn ≤ uc uc should be less than oc setting	oFF, 1~10s adjustable
Phase loss (PL)	Condition : max imbalance is more than 85% among 3 phase current, Enable or disable : Selectable	oFF, 0.5~5s adjustable
Reverse phase (RP)	Condition : Reversed phase sequence input on EOCR. Enable or disable : Selectable	Within 0.15s
Stall (Sc)	Condition : In ≥ Stall current setting (Sc). Active only in motor starting 0.5~30A : 2~8 times of oc setting ~40A : 2~6 times, ~60A : 2~4 times.	Right after D-time elapsed
Jam (JA)	Condition : In ≥ Jam current setting (JA). Active only in motor running 0.5~50A : 1.5~5 times of oc setting ~60A : 1.5~4 times of oc setting	0.3~5s adjustable
Imbalance (IM)	Condition : Current imbalance ≥ Setting imbalance % Setting range : 10~50% of imbalance	1~10s adjustable
Earth fault (EF)	Condition : EF current (Ie) exceeds setting current (Ies) OFF, 0.03~10A	0.05~5s adjustable -- 3MZ2/FMZ2 only --

Ancillary functions

Password selection	For secured setting parameters.
Phase selection	For single phase / three phase motor selection
TCC selection	Available three time-current-characteristics (Definite, Inverse, Thermal inverse)
CT ratio	For the current setting more than 60A (20A : i3MS/iFMS) and less than 0.5A
Fail safe selection	Fail safe operation for OL trip output.
Pre alarm selection	Pre alarm signaling by the 07-08 output contact
Total running hour	Total accumulated running hour from the installation which cannot be modified and reset.
Running hour	Display or provide a time-out signal to the 07-08 output contact. (i3DM/iFDM)
Reset mode	Manual / Auto / Electrical ; Selectable
Trip cause memory	Store the latest 3 trip causes
Restart limitation	The maximum auto-restart number within 30 minutes in auto-reset mode.

EOCR-DM2 Series

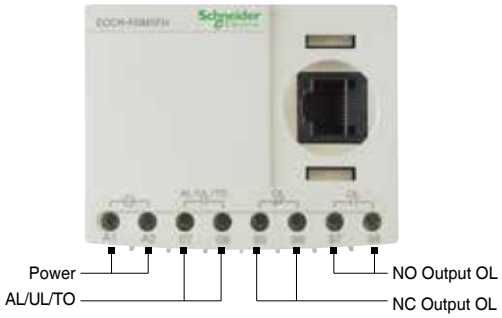
Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

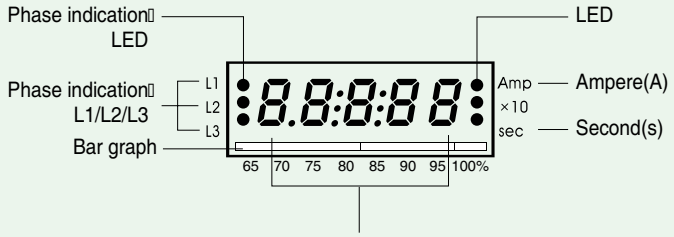
Specifications

Model			3DM2 / FDM2, 3MZ2 / FMZ2	
Over current		Rated setting range (A)	Definite TCC : 0.5~60A : use external CT higher than 60A	
			Inverse TCC : 0.5~60A : use external CT higher than 32A	
Under current		Rated setting range (A)	0.5A ~ less than oc setting	
Operating time characteristics			Definite(Def) / Inverse(Inv)	
Time setting	Def	D-time	0~200s	
		O-time	0.2~30s	
	Inv & th (cLS)		1~30 classes	
	GF delay time (Edt)		0~30s (3MZ2/FMZ2)	
	GF O-time (Et)		0.05~10s (3MZ2/FMZ2)	
	Auto-reset		0.5s~20min.	
	Reset mode		Manual reset (H-r) / Electric reset (E-r) / Auto-reset (A-r)	
Control power	Voltage		100~240VAC/DC (85% ~110%, Free voltage), 24VAC/DC (±5%) .	
	Frequency		50/60Hz	
	Power consumption		Lower than 7VA	
Output	Capacity		3A/250VAC resistive.	
	Composition		1a1b : OC or GR	
			1a : AL	
Display	7 Segment LED		3 phase amps, Cause of trip, Setting parameters indication.	
	Bar graph		Load factor.	
Mounting			Panel mounting (3DM2/3MZ2)	
			Flush mounting (FDM2/FMZ2)	
Insulation		Between case & Circuit	Over DC500V 10MΩ	
Dielectric strength		Between case & Circuit	2kV, 50/60Hz, I Min.	
		Between contacts	1kV, 50/60Hz, I Min.	
		Between circuit	2kV, 50/60Hz, 1 Min	
Electrostatic discharge (ESD)		IEC61000-4-2	Level 3 : Air discharge : ±8kV, Contact discharge : ±6kV	
Radiated disturbance		IEC61000-4-3	Level 3 : 10V/m, 80 ~ 1000MHz	
Conducted disturbance		IEC61000-4-6	Level 3 : 10V,0.15 ~ 80MHz	
EFT/Burst		IEC61000-4-4	Level 3 : ±2kV, 1 Min.	
Surge		IEC61000-4-5	Level 3 : 1.2 x 50μs, ±4kV (0°, 90°, 180°, 270°)	
Emission		CISPR11	Class A (Conducted and radiated)	
Environment	**Temperature**	Store	-40°C ~ +85°C	
		Operation	-20°C ~ +60°C	
	Humidity		30~85% RH (Non-condensate)	
Dimension		Window type	70W × 74.5H × 83.8D	
		Bottom hole type	70W × 56.3H × 108.1D	
Weight			**3DM2 / 3MZ2**	**FDM2 / FMZ2**
		Window type	265g	350g
		Bottom hole type	295g	390g
		Terminal type	295 + 120 = 415g	390 + 120 = 510g
		Display (W/3M cable)		125g
Power consumption			Less than 7VA.	

EOCR-DM2 Series
Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

Front face





5 digit 7 segment LED display

3 phase currents (In) and a leakage current **(3MZ2/FMZ2)** are displayed every 2 seconds in sequence.

Bar graph

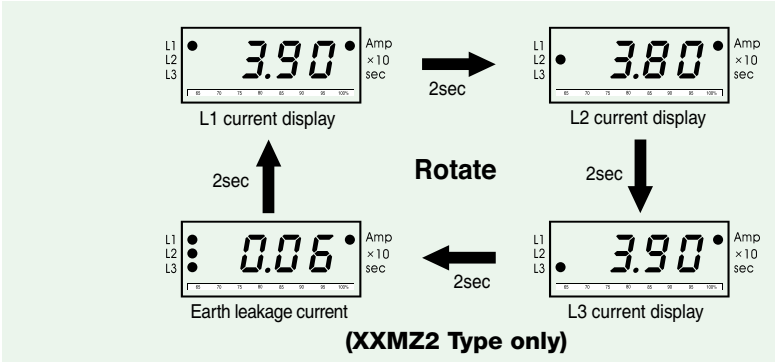
- it shows the load factor to OC setting value by %
- % value = (running current/setting current) * 100%
- Min scale is 65%
- if the setting value is the rated motor current, it shows the load factor of the motor.

Current display

- Shows the highest current among three phases for OC, Stall, Jam trips.
- Shows the lowest current among three phases for UC, UB
- Shows the lost phase for PL.
- Shows the phase and the current during running.

Amp : Ampere. LED is on when a current display.
x 10 : Shows the unit changed to 10 times.
Sec : Second. LED is on when a time display.

3 phase digital ammeter function



※ *Blocking display rotation can be done by pressing the SET button once during running. whenever press the SET button, the each phase current displays by turns. A fixed phase current display can be done by this.*

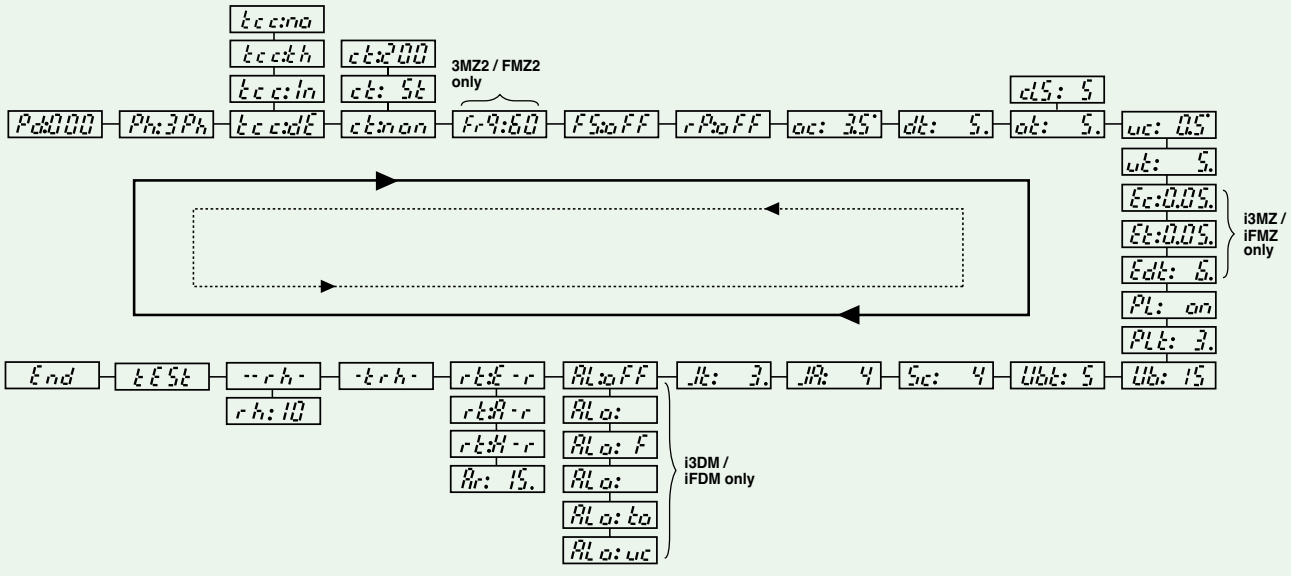
※ *Pressing the ESC button, it returns to the Auto current display rotation mode.*

Buttons and Setting Sequence

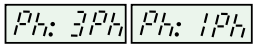
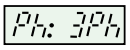
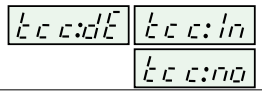
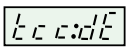
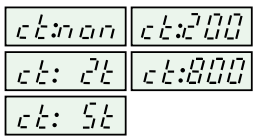
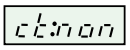
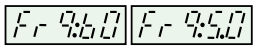
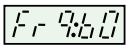
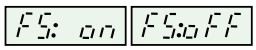
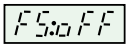
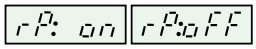
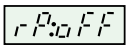
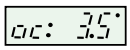
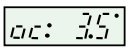
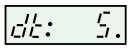
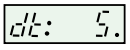
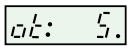
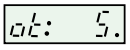
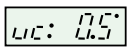
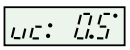
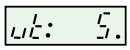
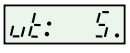
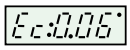
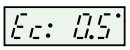
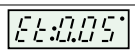
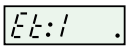
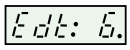
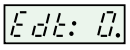
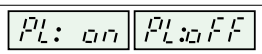
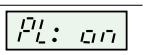
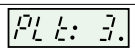
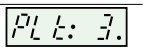
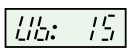
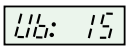
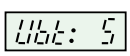
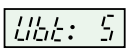
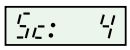
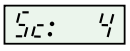
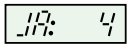
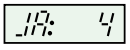
Button	Description
▲ UP / ▼ DN	Navigate menus by pressing UP/DN button.
SET	Select a parameter to change, then the parameter starts blinking.
▲ UP / ▼ DN	Modify a parameter value by pressing UP/DN button.
SET	Memorize the values in the relay by pressing SET button. blinking stops to show it's stored.
ESC	Pressing ESC button, it returns to the current display. Without pressing ESC button, it returns to the load current display in 50sec automatically.

※ *Fault history check : Pressing the ESC button more than 5sec, it displays the latest fault cause and the fault current or fault phase. Continuing to press DN button, you can see the current of L1(R), L2(S), L3(T), (GR) in turn. press the DN button again to check the previous fault continually. In the latest fault display, the 100% LED of bar graph lights on and two LEDs of 95%, 100% lights on for the second fault display, three LEDs of 90%, 95%, 100% lights on for the oldest fault display. When you press the ECS button in this mode, it returns to the normal current display mode. The oldest fault record is over written when the number of fault to record exceeds three.*

• Setting sequence



Setting sequence and menu

No.	Menu	Parameter	Description	Default
1	Selection of phase No.		“Ph:3Ph” mode for a 3 phase load, “Ph:1Ph” mode for a 1 phase load should be selected. If you select the “Ph:1Ph”, RP, PL and Ub functions will be disabled and not displayed in the menu mode	
2	Operation curve		Time-current characteristic(TCC) setting. “dE” is for definite TCC, “In” is for inverse TCC, “th” is for thermal inverse TCC. Refer to the time-current characteristic curve. If tcc=no, only overcurrent protection is disabled	
3	CT ratio		External CT ratio setting mode. This is applied to definite TCC: higher than 60A and Inverse TCC: higher than 30A. Set the primary value of the external CT. For example, 200:5 CT, setting is “ct:200”. For the low-range current “ct: 2t” is for (2 loops), “ct: 5t” is for (5 loops). Select “ct: non” in case of no external CT and single loop.	
4 #1	Frequency		Frequency setting mode. Select 50 or 60 based on the system fundamental frequency.	
5	Fail safe		Selection of fail safe(No volt release) mode for overload trip output, OL. Refer to fail-safe operation	
6	Reversed phase detection		Enable or disable reverse phase detection	
7	Over current threshold		Threshold for over current protection. this value cannot be set below a under current threshold (uc).	
8	Start delay time		Motor starting delay, OC, UC, Stall, Jam, Ub are blocked during starting but PL, RP are not blocked. For “In” TCC mode, the cold curve is appled before dt expires and, the hot curve is applied after the dt expires.	
9	Over current duration (Trip delay time / Trip class)		(tcc:dE) : the fault(over current) duration of definite overcurrent protection. (tcc:In) : the trip class for inverse overcurrent protection (refer to TCC curve) (tcc:th) : the thermal overload protection based on the thermal image by load current (refer to TCC curve).	
10	Under current threshold		Threshold for under current protection. The setting should be higher than noload current of a motor. The current value cannot be set higher than OC.	
11	Under current duration (Trip delay time)		Fault (under current) duration for the under current operation. If the setting of “oFF” in the “uc” mode is selected, this menu is not displayed	
12 #1	Earth fault (Ground fault) threshold		Threshold for earth fault protection. The capacitance leakage current of the motor and cable should be taken into account for the setting. The threshold value corresponds to the primary current of ZCT	
13 #1	Earth fault trip delay time		Earth fault duration (Trip delay time) TCC is definite characteristic	
14 #1	EF starting delay		Blocking time of earth fault detection during motor starting. OFF, 1~30s adjustable this timer is only active during motor starting.	
15	Phase loss		Enable or disable Phase Loss(Single Phasing) detection. If the “Ph:1Ph” is selected , this menu is not displayed.	
16	Phase loss time		Fault duration for phase loss operation. The setting range is 0.5~5 sec. if “PL: oFF” is selected, this menu is not displayed.	
17	Imbalance threshold		Threshold for current imbalance operation. To disable the function, set to “oFF”, the setting range is 10~50%. Imbalance factor (%) = ($I_{max\ phase}$ - I_{min_phase}) / I_{max_phase} x 100% Imbalance fault duration (trip delay time) for current imbalance operation. The setting range is 1~10 seconds.	
18	Imbalance fault duration		Threshold for locked rotor detection during motor starting. The value is the multiples of the over current threshold(oc). If the locked rotor condition is detected, the trip relay operates in 0.5s after the “dt” expires. If dt=0, this function is disabled and not displayed in the menu.	
19	Stall threshold		Setting range : oc=0.4~30A : 2~8times, oc < 40A : 2~6times, otherwise (oc<60A) : 2~4times, (with Ext. CT : ?)	
20	Jam threshold		Threshold for locked rotor detection during motor running. The value is the multiples of the over current threshold (oc). Setting : oc=0.4~50A : 1.5~5times, otherwise (oc<60A) : 4times, (with Ext. CT : ?)	

Setting sequence and menu

No.	Menu	Parameter	Description	Default
21	Jam fault duration	JT: 3.	Jam fault duration (trip delay time) Setting : 0.2~10 sec	JT: 3.
22 #2	Alert	AL: 85 / AL:oFF	Threshold of alert output, set by % of the over current threshold (oc). If the load current is higher than this value, alert output(07-08 contact) is energized according to the setting of "ALo:XX".	AL:oFF
		ALo: A	If the load current is detected, alert output(07-08 contact) is energized. The alert threshold is no meaning for this operation. Refer to the alert operation pattern.	
		ALo: F	If the load current is higher than the alert threshold, alert output(07-08 contact) repeats open for 1s and close for 1s (flickering), The flickering starts from the motor starting. Refer to the alert operation pattern.	
		ALo: H	If the load current is higher than the alert threshold, alert output(07-08 contact) is closed (holding) and remains closed until the load current decrease under the alert threshold. The alert output is blocked during motor starting. Refer to the alert operation pattern.	
		ALo:to	If the accumulated running hour is more than the running hour threshold, the alert output repeats close for 1s and open for 1s.	
		ALo:uc	The alert output is used only for under current protection. If this mode is selected, a trip by an under current fault is signaled through alert output(07-08), instead of overload trip output(95-96 or 97-98).	
23	Reset	rt:E-r	Fault reset (electrical reset) by a power cycle or by pressing the ESC button.	rt:E-r
		rt:H-r	Fault reset (hand reset) by only pressing the ESC button.	
		rt:A-r / Ar: 15. / Ar:20n	Fault reset (auto reset) by a auto-reset timer, Setting range of the timer : 0.5sec~20min. Also the fault can be reset by power cycle or by ESC button.	
24	Restart limitation	rn: 3	The maximum auto-restart number during 30 minutes in auto-reset mode. The auto-restart counter (count) is stored in the non-volatile memory and is cleared by pressing ESC button when the counter (count) reaches the limitation. To disable limitation, select "oFF". Setting range : oFF~5 times.	rn:oFF
25	Total running hour	-trh- / 033 ⟺	In this menu, toggle display, "-trh-" and the accumulated (time) value, is activated (?) The accumulation starts from the installation and the user cannot clear the accumulated value. This display unit is 1 hour.	read only
26	Running hour	--rh- / 43.3 ⟺	In this menu, toggle display, "--rh-" and the accumulated value, is activated (?) The user can clear the accumulated value by selecting the running hour threshold to "rh : oFF". This display unit is 0.1 hour (6 minutes). By selecting "ALo : to", the user can get the alert signal through alert output (07-08) when the accumulated value is more than the running hour threshold.	read only
	Running hour threshold	rh: 10.	Threshold for alert output when the user selects "ALo : to". The unit is 10 hours and this menu is not displayed when the motor is starting or running. Setting range : 10~9990 hours, oFF	
27	Test trip	tESt	When this menu activated, OL trip signal and enabled short or EF trip signal is generated when (3s+ot) expires. The display shows "End" when the test is done. By pressing ESC, returns to the load current display mode. This menu is not displayed when the motor is starting or running. Before (3s+ot) expires, pressing ESC or motor starting or running blocks the test trip and return to the load current display. No parameter	No parameter
28	End	End	This shows the end of test trip. Test result is stored in the fault record.	No parameter

※ *#1 => These are applied to 3MZ2 & FMZ2 only.*
#2 => These are applied to 3DM2 & FDM2 only.

EOCR-DM2 Series

Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

Alert operation pattern (3DM2 & FDM2 only)

ALo selection \ Running stage	Starting	Norma operation	Higher than the preset alert value	Trip
Aux (ALo: A)				
Flicker (ALo: F)				
Hold (ALo: H)				

- ALo "A" : Ampere relay function (The 07-08 output contact is closed when a current is detected)
- ALo "F" : Flickering (When a current flows, the output contact is closed and repeating the close and open on it in a higher current than the AL setting.)
- ALo "H" : Holding (The output contact is closed in a higher current than the AL setting).
- ALo "uc" : Applied to "uc" (under current protection) output contact.
- ALo "to" : When a running hour time is elapsed over the "rh" set value, the output contact repeats the close - open.

Fail-safe operation

Fail-Safe	A1-A2 not powered	A1-A2 powered and under normal operation	A1-A2 powered and Tripped
ON	95 ∅ 96 Close 97 ∅ 98 Open	95 ∅ 96 Open 97 ∅ 98 Close	95 ∅ 96 Close 97 ∅ 98 Open
OFF	95 ∅ 96 Close 97 ∅ 98 Open	95 ∅ 96 Close 97 ∅ 98 Open	95 ∅ 96 Open 97 ∅ 98 Close

Trip cause indication and fault records

3 fault records including the trip cause and 3phase currents are stored in a non-volatile memory.
When the motor is running or stopped, trip cause can be navigated by pressing ESC button over 5seconds

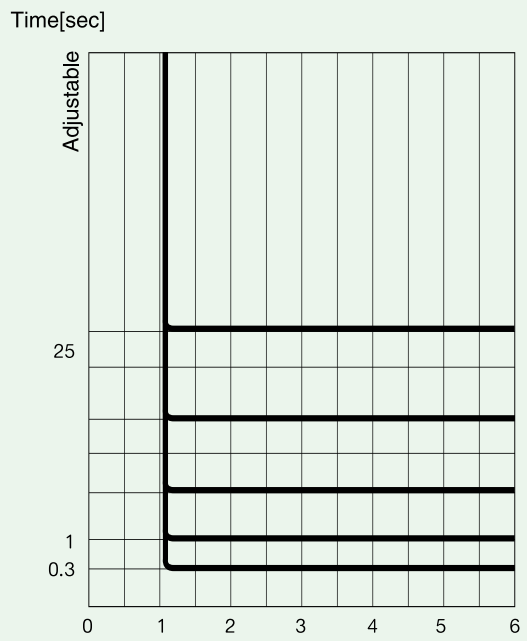
Trip indication					
Trip			Indication after trip with UP/ DN button pressing		
Trip cause	Indication	Contents of indication	L1 LED on	L2 LED on	L3 LED on
Over current	oc: 3.5	OC Trip caused by r(L1)-phase current	3.5	3.4	3.4
Phase loss	PL -r	Phase loss caused by r(L1)-phase lost	0.0	5.5	5.5
Reversed phase	-rP-	Phase reversal trip	3.4	3.4	3.4
Stall	St:35.0	Stall trip during motor starting caused by s(L2)-phase curren	34.8	35.0	34.8
Jam	JA: 15.8	Jam trip during motor running caused by t(L3)-phase current	15.0	15.0	15.8
Imbalance	UB: 4.2	Imbalance trip caused by t(L3)-phase current	5.8	5.8	4.2
Under current	uc: 1.6	Under current trip caused by s(L2)-phase current	2.2	1.6	2.2
Earth fault (3MZ2/FMZ2)	EF:00.5	Earth fault(Earth leakage) trip with Earth fault current indication	3.5	3.4	3.4
Limitation of auto-restart	rn:FuL	In 30minutes, the number of auto-restar by auto-reset exceeds the setting	For emergency restart, manual reset by pressing ESC clears the restart counter to zero.		

EOCR-DM2 Series

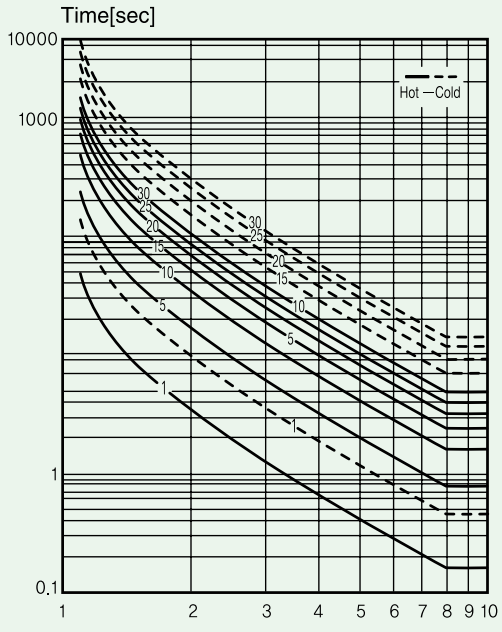
Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

Time-current characteristic curve

Definite characteristic



Inverse characteristic



Current setting range

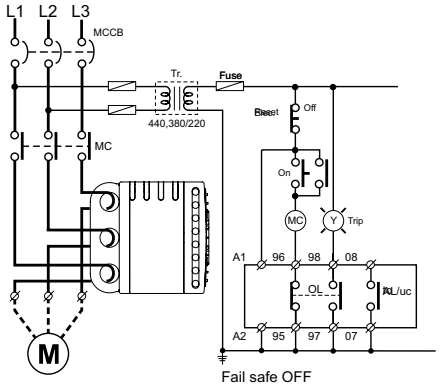
Setting range	Number of pass through the CT hole	External CT ratio	CT setting	Remark
0.5 ~ 60A	1	No CT combination	ct:non	
0.25 ~ 3A	2	No CT combination	ct: 2t	
0.1 ~ 1.2A	5	No CT combination	ct: 5t	
0.5 ~ 32A	1	No CT combination	ct:non	Inverse TCC
0.5 ~ 60A	1	No CT combination	ct:non	Definite TCC
10 ~100A	1	100 : 5	ct:100	Definite or inverse
20 ~200A	1	200 : 5	ct:200	Definite or inverse
30 ~ 300A	1	300 : 5	ct:300	Definite or inverse
40 ~ 400A	1	400 : 5	ct:400	Definite or inverse
50 ~ 500A	1	500 : 5	ct:500	Definite or inverse
60 ~ 600A	1	600 : 5	ct:600	Definite or inverse
70 ~ 700A	1	700 : 5	ct:750	Definite or inverse
80 ~ 800A	1	800 : 5	ct:800	Definite or inverse

EOCR-DM2 Series

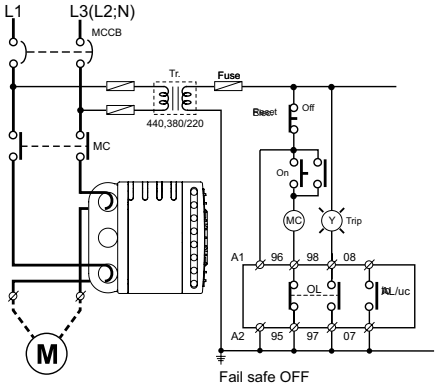
Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

Typical wiring schematic (EOCR-3DM2/FDM2)

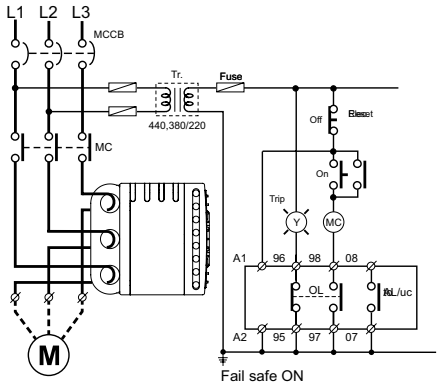
Three phase motor (at FS : oFF)



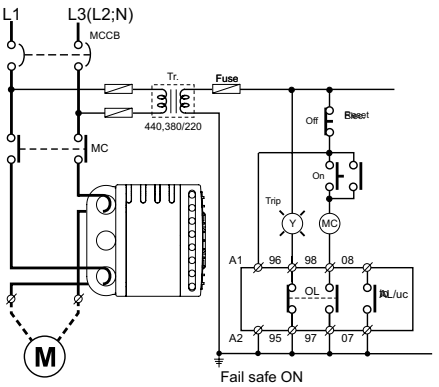
Single phase motor (at FS : oFF)



Three phase motor (at FS : oFF)

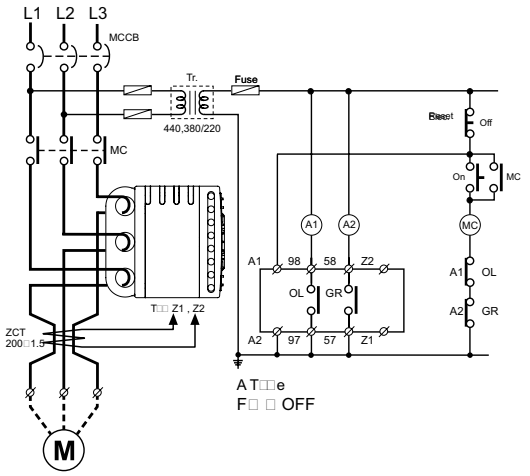


Single phase motor (at FS : oFF)

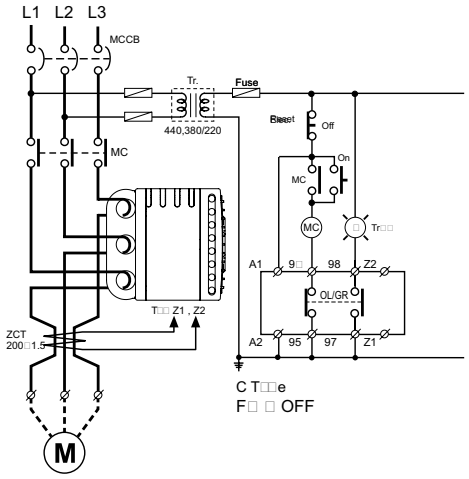


Typical wiring schematic (EOCR-3MZ2/FMZ2)

Three phase motor (A type, a-a output)



Three phase motor (C type, common output)



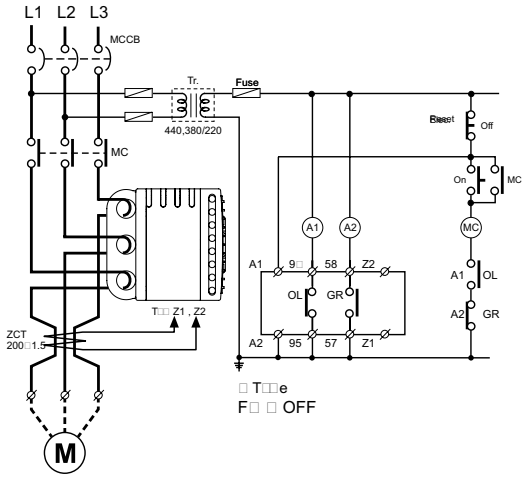
Schneider Electric

EOCR-DM2 Series

Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

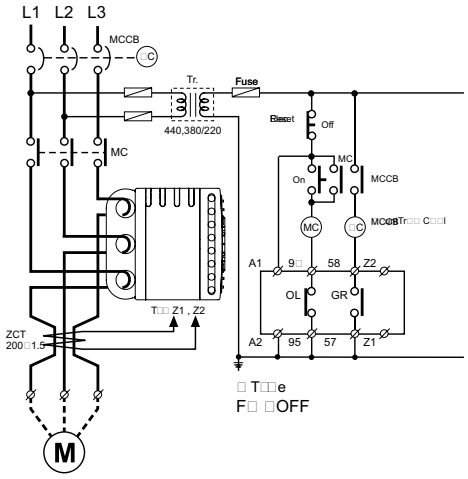
Typical wiring schematic (EOCR-3MZ2/FMZ2)

Three phase motor (D type, b-a output)

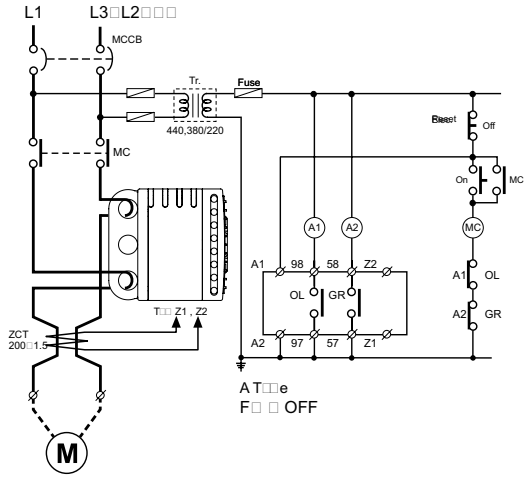


Three phase motor (D type)

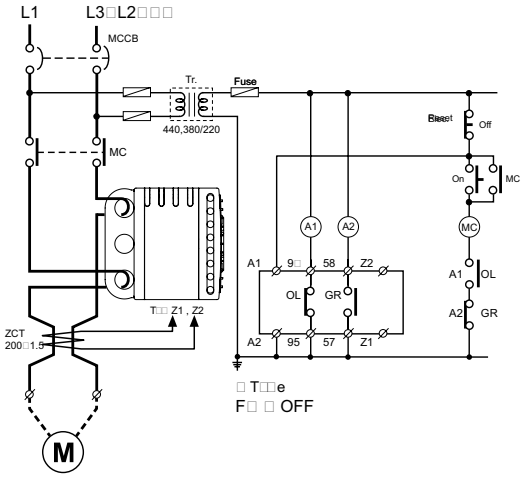
※ MCCB trip for GF



Single phase motor (A type)



Single phase motor (D type)



Cabling for a three phase motor

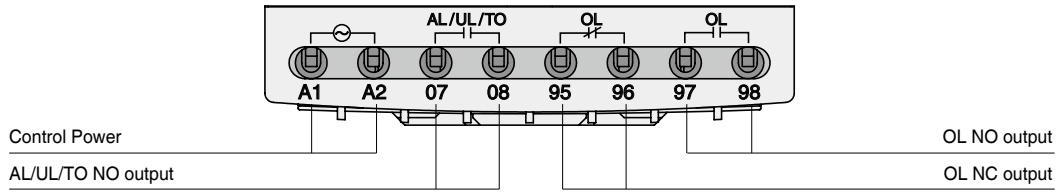
Cabling for a single phase motor

EOCR-DM2 Series

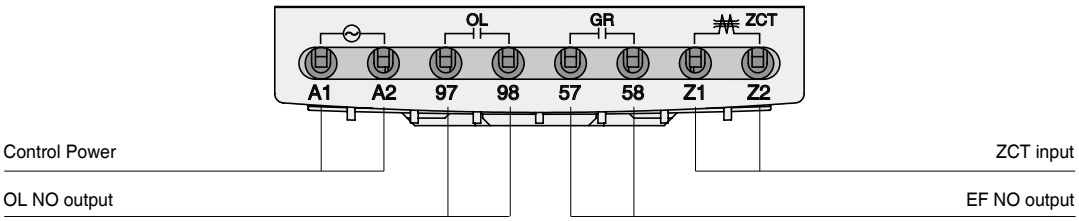
Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

Control terminals

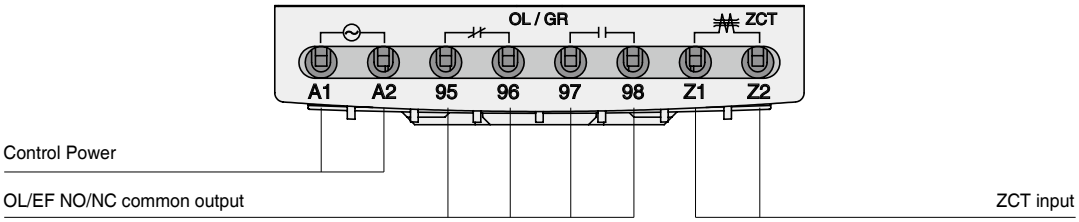
EOCR-3DM2/FDM2



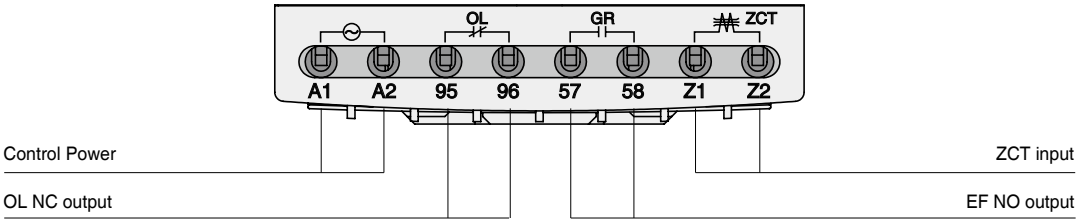
EOCR-3MZ2/FMZ2 (“A” Type)



EOCR-3MZ2/FMZ2 (“C” Type)



EOCR-3MZ2/FMZ2 (“D” Type)

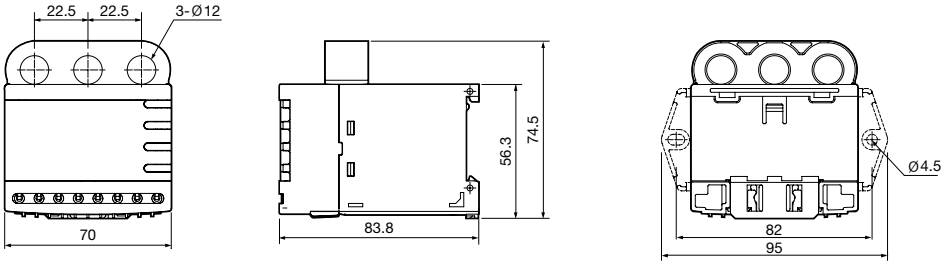


EOCR-DM2 Series

Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

Dimension of 3XX2

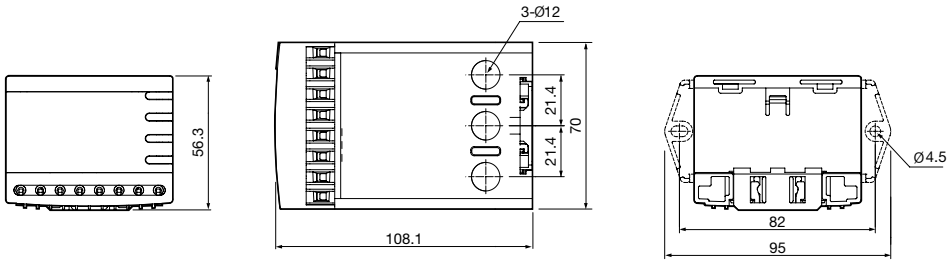
Window type
EOCR-3DM2
EOCR-3MZ2



PANEL & DIN RAIL TYPE

MOUNTING HOLE SIZE

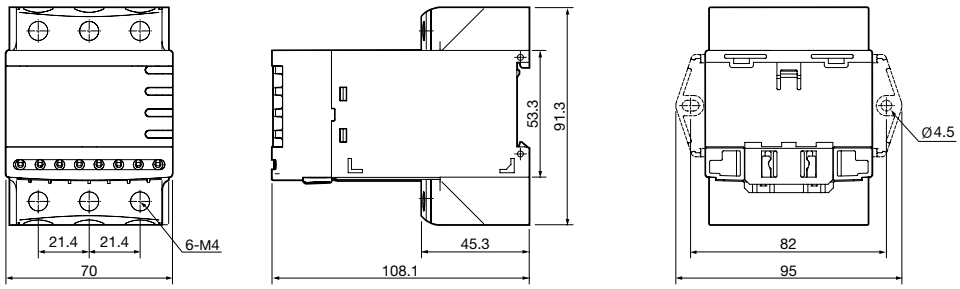
Bottom hole
EOCR-3DM2
EOCR-3MZ2



PANEL & DIN RAIL TYPE

MOUNTING HOLE SIZE

Terminal hole
EOCR-3DM2
EOCR-3MZ2



PANEL & DIN RAIL TYPE

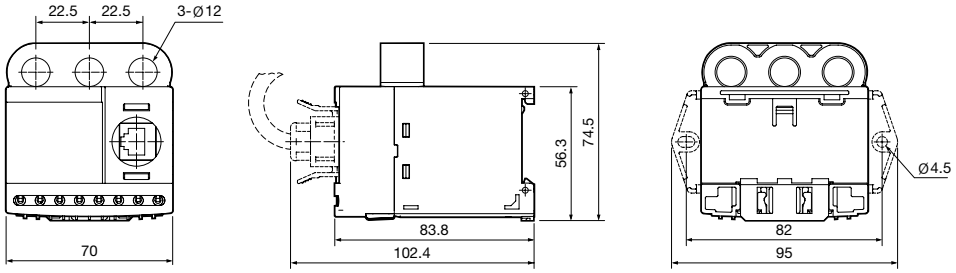
MOUNTING HOLE SIZE

EOCR-DM2 Series

Basic model : EOCR-i3DM(Z, S, 420) / iFDM (Z, S, 420)

Dimension of FXX2

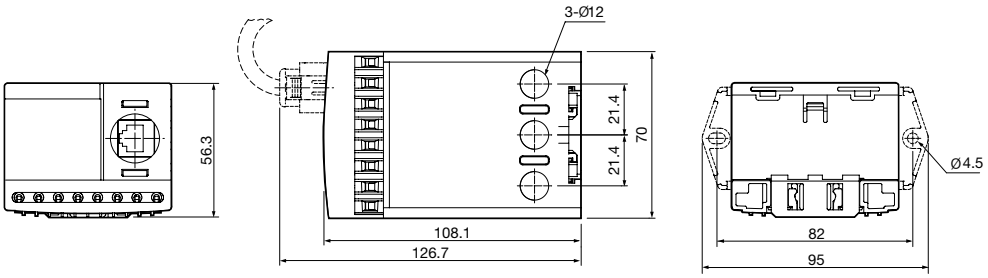
Window type
EOCR-FDM2
EOCR-FMZ2



PANEL & DIN RAIL TYPE

MOUNTING HOLE SIZE

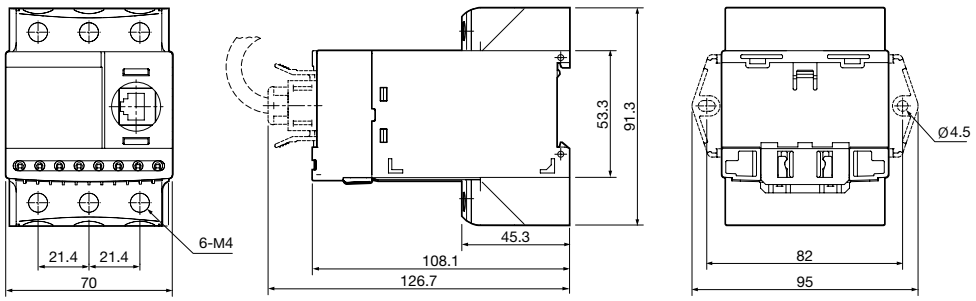
Bottom hole type
EOCR-FDM2
EOCR-FMZ2



PANEL & DIN RAIL TYPE

MOUNTING HOLE SIZE

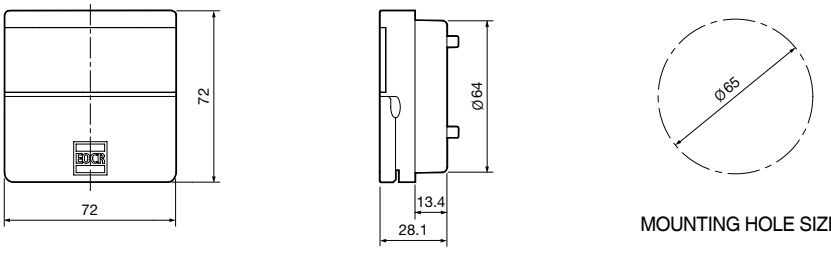
Terminal type
EOCR-FDM2
EOCR-FMZ2



PANEL & DIN RAIL TYPE

MOUNTING HOLE SIZE

Display
EOCR-PDM



MOUNTING HOLE SIZE

EOCR-DM2 Series

Basic model : EOCR-i3DM(Z, S, 420) / iFDM (Z, S, 420)

Ordering

EOCR-3XX2

Window CT

Bottom CT

Terminal

External CT combination type

3DM2 - WR D U W Q

❶ ❷ ❸ ❹ ❺ ❻

❶	Model name	3DM2		Basic model
		3MZ2		GF model
❷	Current Range	WR		0.5~60A
		H1		100:5 3CT combination type
		HH		150:5 3CT combination type
		H2		200:5 3CT combination type
		H3		300:5 3CT combination type
		H4		400:5 3CT combination type
❸	Output contact type	3MZ2	A	a(97-98) : OC, a(57-58) : GR
			C	b(95-96), a(97-98) : OC.GR common
			D	b(95-96) : OC, a(57-58) : GR
		3DM2	D	b(95-96), a(97-98)
❹	Control voltage	B		24VAC/DC
		U		100~240VAC/DC
❺	CT type	W		Window type
		H		Bottom hole type
		T		Terminal type
❻	Export code	Q		

EOCR-FXX2

Window CT

Bottom CT

Terminal

External CT combination type

FDM2 - WR D U W Q

❶ ❷ ❸ ❹ ❺ ❻

❶	Model name	iFDM		Basic model
		iFMZ		GF model
❷	Current Range	WR		0.5~60A
		H1		100:5 3CT combination type
		HH		150:5 3CT combination type
		H2		200:5 3CT combination type
		H3		300:5 3CT combination type
		H4		400:5 3CT combination type
❸	Output contact type	FMZ2	A	a(97-98) : OC, a(57-58) : GR
			C	b(95-96), a(97-98) : OC.GR common
			D	b(95-96) : OC, a(57-58) : GR
		FDM2	D	b(95-96), a(97-98)
❹	Control voltage	B		24VAC/DC
		U		100~240VAC/DC
❺	CT type	W		Window type
		H		Bottom hole type
		T		Terminal type
❻	Export code	Q		

EOCR-DM2 Series

Basic model : EOCR-i3DM(Z, S, 420) / iFDM (Z, S, 420)

Ordering

Display

EOCR-PDMQ

Cable connector

CABLE - RJ45 - 001

❶ ❷

❶	Connector type	iFDM	
❷	Cable length	00H	0.5 m
		001	1 m
		01H	1.5 m
		002	2 m
		003	3 m
		Others	Custom made

Square 3 CT

3CT - H1 - 100 - C

❶

❶	CT ratio	H1-100-C	Square 3CT 100:5
		HH-150-C	Square 3CT 150:5
		H2-200-C	Square 3CT 200:5
		H3-300-C	Square 3CT 300:5
		H4-400-C	Square 3CT 400:5

SR-3CT

SR-3CT - 100

❶

❶	CT ratio	S1	100	100:5
		SH	150	150:5
		S2	200	200:5
		S3	300	300:5
		S4	400	400:5

ZCT

ZCT - 035

❶

❶	Inner-diameter	035	35mm
		080	80mm
		120	120mm